

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1025832

INFORMATION DISCLOSURE CITATION  PTO-1449				ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657	
				APPLICANT: KAYYEM		
				FILING DATE: December 27, 1999	GROUP 3735	1634
U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>m</i>	1 4,707,352	11/17/87	Stavrianopoulos			
<i>✓</i>	2 4,707,440	11/1987	Stavrianopoulos	435	6	
<i>✓</i>	3 4,711,955	12/8/87	Ward et al.			
<i>✓</i>	4 4,755,458	7/5/88	Rabbani et al.			
<i>✓</i>	5 4,849,513	7/18/89	Smith et al.	536	27	
<i>✓</i>	6 4,868,103	9/19/89	Stavrianopoulos et al.			
<i>✓</i>	7 4,894,325	1/16/90	Englehardt et al.			
<i>✓</i>	8 4,943,523	7/24/90	Stavrianopoulos			
<i>✓</i>	9 4,952,685	8/28/90	Stavrianopoulos			
<i>✓</i>	10 4,994,373	2/19/91	Stavrianopoulos			
<i>✓</i>	11 5,002,885	3/26/91	Stavrianopoulos			
<i>✓</i>	12 5,013,831	5/7/91	Stavrianopoulos			
FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes No
<i>m</i>	13 0-63879	11/3/82	Europe ✓			
<i>✓</i>	14 92/10757	6/25/92	PCT (WO) ✓			
<i>✓</i>	15 0 234938	2/26/87	EP (A2) ✓			
<i>✓</i>	16 93/10287	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Permit, Pages, Etc.)						
			<i>X</i>			
EXAMINER	<i>zhe m</i>		DATE CONSIDERED		<i>1/11/2003</i>	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
G005 1449A.RM (8/95)

INFORMATION DISCLOSURE CITATION				ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657	
				APPLICANT: KAYYEM		
				FILING DATE: December 27, 1999	GROUP 3736 1634	
U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
✓ 17	5,082,830	1/21/92	Brakel et al.			
✓ 18	5,175,269	12/29/92	Stavrianopoulos			
✓ 19	5,241,060	8/31/93	Englehardt et al.			
✓ 20	5,278,043	1/11/95	Bannwarth et al.	536	23.1	
✓ 21	5,312,527	5/17/94	Mikkelsen et al.	204	153.12	
✓ 22	5,328,624	7/12/94	Ward et al.			
✓ 23	5,449,767	9/12/95	Ward et al.			
✓ 24	5,472,881	12/95	Beebe et al.	436	94	
✓ 25	5,476,928	12/19/95	Ward et al.			
✓ 26	5,595,908	1/21/97	Fawcett et al.	435	287.2	
✓ 27	5,565,552	10/15/96	Magda et al.	534	11	
✓ 28	5,573,906	11/12/96	Bannwarth et al.	435	6	
✓ 29	5,591,578	1/7/97	Meade et al.	435	6	
✓ 30	5,601,982	2/1997	Sargent et al.	435	6	
FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes No
✓ 31	2 090904	9/24/93	CANADA ✓			
✓ 32	0 599337	1/16/94	EPO ✓			
✓ 33	238,166	1988	JP (Abstract (63-238166)) ✓			
✓ 34	0 229943	7/29/87	EP ✓			
✓ 35	96/40712	12/19/96	WO ✓			
EXAMINER	DATE CONSIDERED			7/1/2003		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

0985 1449A.RM (8/98)

INFORMATION DISCLOSURE CITATION				ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657	
PTO-1449				APPLICANT: KAYYEM		
DEC 26 2000 PATENT AND TRADEMARK OFFICE U.S. DEPT. OF COMMERCE				FILING DATE: December 27, 1999	GROUP 3785	1634
DETAILED LIST OF PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
w ✓	36	4,840,893	6/20/89	Hill et al.	435	6
✓	37	5,403,451	4/4/95	Rivello et al.	204	153.1
✓	38	5,620,850	4/15/97	Bamdad et al.	530	300
✓	39	5,780,234	7/14/98	Meade et al.	435	6
✓	40	5,770,369	6/23/98	Meade et al.	435	6
✓	41	5,705,348	1/6/98	Meade et al.	435	6
✓	42	5,824,473	10/1998	Meade et al.	435	6
FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes No
w ✓	0515615	9/4/96	EP (UK)			
✓	97/01646	1/16/97	WO			
✓	93/23425	11/25/93	WO			
✓	90/05732	5/31/90	WO			
✓	6-41183	2/15/94	JP			X
✓	93/22678	11/1993	PCT			
✓	97/44651	11/1997	PCT			
✓	98/35232	8/1998	PCT			
OTHER DOCUMENTS: (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER	✓		DATE CONSIDERED	7/11/2003		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
0808 1449A.RTM (8/95)

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657				
PTO-1449 DEC 28 2000 RECEIVED U.S. PATENT AND TRADEMARK OFFICE SEARCHED SERIALIZED INDEXED FILED		APPLICANT: KAYYEM					
		FILING DATE: December 27, 1999	GROUP 2736 1634				
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
w	51	5,776,672	7/1998	Hashimoto et al.			
✓	52	5,952,172	9/1999	Meade et al.			
✓	53	5,552,270	9/1996	Khrapko et al.			
✓	54	5,741,700	4/1998	Ershov et al.			
✓	55	5,770,721	6/1998	Ershov et al.			
✓	56	5,851,772	12/1998	Mirzabekov et al.			
✓✓	57	5,766,050	5/1998	Ershov et al.			
X							
FOREIGN PATENT DOCUMENTS				Translation			
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Yes	No
w ✓	58	95/15971	6/1995	PCT	/		
✓	59	94/22889	10/1994	PCT	/		
✓	60	98/20162	5/1998	PCT	/		
✓	61	99/14596	3/1999	PCT	/		
✓	62	99/67425	12/1999	PCT	/		
✓	63	98/28444	7/1998	PCT	/		
✓	64	98/27229	6/1998	PCT	/		
✓✓	65	97/27329	7/1997	PCT	/		
X							(
EXAMINER	Shulen		DATE CONSIDERED	7/1/2003			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
8085 1449A.FRM (8/95)

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657
PTO-1449		APPLICANT: KAYYEM	
		FILING DATE: December 27, 1999	GROUP 3736 1634

OTHER DOCUMENTS (Including Author, Title, Date, Page/Line, Etc.)

<input checked="" type="checkbox"/>	66	Allerman, K.S., et al., "Electrochemical Rectification at a Monolayer-Modified Electrode," <i>J. Phys. Chem.</i> , 100:17050-17058 (1996).
<input checked="" type="checkbox"/>	67	Arkin et al. "Evidence for Photoelectron Transfer Through DNA Intercalation," <i>J. Inorganic Biochem. Abstracts</i> , 6th International Conference on Bioinorganic Chemistry, 51(1) & (2):526 (1993).
<input checked="" type="checkbox"/>	68	Barisci et al., "Conducting Polymer Sensors," <i>TRIP</i> , 4(9):307-312 (1996).
<input checked="" type="checkbox"/>	69	Baum, R. M., "Views on Biological, Long-Range Electron Transfer Stir Debate," <i>C&EN</i> , pp 20-23 (1993).
<input checked="" type="checkbox"/>	70	Bechtold, R., et al., "Ruthenium-Modified Horse Heart Cytochrome c: Effect of pH and Ligation on the Rate of Intramolecular Electron Transfer between Ruthenium(II) and Heme(III)," <i>J. Phys. Chem.</i> , 90(16):3800-3804 (1986).
<input checked="" type="checkbox"/>	71	Bidon, "Electroconducting conjugated polymers: new sensitive matrices to build up chemical or electrochemical sensors. A Review," <i>Sensors and Actuators</i> , B6:45-56 (1992).
<input checked="" type="checkbox"/>	72	Biotechnology and Genetics: Genetic Screening Integrated Circuit," <i>The Economist</i> (February 25-March 3, 1995).
<input checked="" type="checkbox"/>	73	Boguslavsky, L. et al., "Applications of redox polymers in biosensors," <i>Solid State Ionics</i> , 60:189-197 (1993).
<input checked="" type="checkbox"/>	74	Bowler, B. E., et al., "Long-Range Electron Transfer in Donor (Spacer) Acceptor Molecules and Proteins," <i>Progress in Inorganic Chemistry: Bioinorganic Chemistry</i> , 38:269-322 (1990).
<input checked="" type="checkbox"/>	75	Brun, A. M., et al., "Photochemistry of Intercalated Quaternary Diazaparomatic Salts," <i>J. Am. Chem. Soc.</i> , 113:8153-8159 (1991).
<input checked="" type="checkbox"/>	76	Bumm, et al., "Are Single Molecular Wires Conducting?", <i>Science</i> 271:1705-1707 (1996).
<input checked="" type="checkbox"/>	77	Cantor, C.R. et al., "Report on the Sequencing by Hybridization Workshop," <i>Genomics</i> , 13:1378-1383 (1992).
<input checked="" type="checkbox"/>	78	Chang, I-Jy, et al., "High-Driving-Force Electron Transfer in Metalloproteins: Intramolecular Oxidation of Ferrocyanochrome c by Ru(2,2'-bipy)2[Im]2(His-33)2+", <i>J. Am. Chem. Soc.</i> , 113:7056-7057 (1991).
<input checked="" type="checkbox"/>	79	Chidsey, C.E.D., et al., "Free Energy and Temperature Dependence of Electron Transfer at the Metal Electrolyte Interface," <i>Science</i> , 251:919-923 (1991).
<input checked="" type="checkbox"/>	80	Chidsey, et al., "Coadsorption of Ferrocene-Terminated and Unsubstituted Alkanethiols on Gold" Electroactive Self-Assembled Monolayers," <i>J. Am. Chem. Soc.</i> , 112:4301-4306 (1990).
<input checked="" type="checkbox"/>	81	Christie, et al., "Covalent attachment of synthetic DNA to self-assembled monolayer films," <i>Nucleic Acids Research</i> , 24(16):3031-3039 (1996).
<input checked="" type="checkbox"/>	82	Clery, "DNA Goes Electric," <i>Science</i> , 267:1270 (1995).
<input checked="" type="checkbox"/>	83	Commerce Business Daily Issue of September 26, 1996 PSA#1688.

EXAMINER	<i>Julie</i>	DATE CONSIDERED	<i>1/4/2003</i>
----------	--------------	-----------------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 8085 1449A.FRM (8/95)

INFORMATION DISCLOSURE CITATION		(S) P E DEC 25 2000 SEARCHED SERIALIZED TRADEMADE	ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657
PTO-1449			APPLICANT: KAYYEM	
			FILING DATE: December 27, 1999	GROUP 3736 1634
OTHER DOCUMENTS (including Author, Title, Date, Publication Pages, Etc.)				
✓	85	Davis, L. M., et al., "Electron Donor Properties of the Antitumour Drug Amsacrine as Studied by Fluorescence Quenching of DNA-Bound Ethidium," <i>Chem.-Biol. Interactions</i> , 62:45-58 (1987).		
✗	86	Davis, L. M., et al., "Elements of biosensor construction," <i>Enzyme Microb. Technol.</i> 17:1030-1035 (1995).		
✗	87	Degani et al., "Direct Electrical Communication between Chemically Modified Enzymes and Metal Electrodes. 2. Methods for Bonding Electron-Transfer Relays to Glucose Oxidase and D-Amino-Acid Oxidase," <i>J. Am. Chem. Soc.</i> 110:2615-2620 (1988).		
✗	88	Degani, Y., et al., "Electrical Communication between Redox Centers of Glucose Oxidase and Electrodes via Electrostatically and Covalently Bound Redox Polymers," <i>J. Am. Chem. Soc.</i> , 111:2357-2358 (1989).		
✗	89	Degani, Y., et al., "Direct Electrical Communication between Chemically Modified Enzymes and Metal Electrodes. 1. Electron Transfer from Glucose Oxidase to Metal Electrodes via Electron Relays, Bound Covalently to the Enzyme," <i>J. Phys. Chem.</i> , 91(6):1285-1288 (1987).		
✗	90	Dolmehammer, R.S., et al., "Electrochemical Oxidation of Amino-containing compounds: A Route to the Surface Modification of glassy carbon electrodes," <i>Langmuir</i> , 10:1308-1313 (1994).		
✗	91	Dreyer, G. B., et al., "Sequence-specific cleavage of single-stranded DNA: Oligodeoxynucleotide-EDTA-Fe(III)," <i>Proc. Natl. Acad. Sci. USA</i> , 82:968-972 (1985).		
✗	92	Durham, B., et al., "Photoinduced Electron-Transfer Kinetics of Singly Labeled Ruthenium Bis(bipyridin) Dicarboxybipyridine Cytochrome c Derivatives," <i>Biochemistry</i> , 28:8659-8665 (1989).		
✗	93	Durham, B., et al., "Electron-Transfer Kinetics of Singly Labeled Ruthenium(III) Polyipyridine Cytochrome c Derivatives," <i>Advances in Chemistry Series</i> , 226:181-193 (1990).		
✗	94	Elias, H., et al., "Electron-Transfer Kinetics of Zn-Substituted Cytochrome c and Its Ru(NH ₃) ₆ (Histidine-33) Derivative," <i>J. Am. Chem. Soc.</i> , 110:429-434 (1988).		
✗	95	Farver, O., et al., "Long-range intramolecular electron transfer in azurins," <i>Proc. Natl. Acad. Sci. USA</i> , 86:9668-9672 (1989).		
✗	96	Fox, L. S., et al., "Gaussian Free-Energy Dependence of Electron-Transfer Rates in Iridium Complexes," <i>Science</i> , 247:1069-1071 (1990).		
✗	97	Fox, M. A., et al., "Light-Harvesting Polymer Systems," <i>C&EN</i> , pages 38-48 (March 15, 1993).		
✗	98	Francios, J-C., et al., "Periodic Cleavage of Poly(dA) by Oligothymidylates Covalently Linked to the 1,10-Phenanthroline-Copper Complex," <i>Biochemistry</i> , 27:2272-2276 (1988).		
✗	99	Friedman, A. E., et al., "Molecular 'Light Switch' for DNA: Ru(bipy) ₃ (dppz) ²⁺ ," <i>J. Am. Chem. Soc.</i> , 112:4960-4962 (1990).		
✓	100	Fromherz, P., et al., "Photoinduced Electron Transfer in DNA Matrix from Intercalated Ethidium to Condensed Methylviologen," <i>J. Am. Chem. Soc.</i> , 108:5361-5362 (1986).		
✓	101	Gardner, et al., "Application of conducting polymer technology in microsystems," <i>Sensors and Actuators</i> , A51:57-68 (1995).		
✓	102	Gregg, B. A., et al., "Cross-linked redox gels containing glucose oxidase for amperometric biosensor applications," <i>Anal. Chem.</i> , 62:258-263 (1990).		
✓✓	103	Gregg, B. A., et al., "Redox Polymer Films Containing Enzymes. 1. A Redox-Conducting Epoxy Cement: Synthesis, Characterization, and Electrocatalytic Oxidation of Hydroquinone," <i>J. Phys. Chem.</i> , 95:5970-5975 (1991).		
EXAMINER		DATE CONSIDERED		
<i>zde m</i>		1/1/03		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

8056 1449A.FRM (8/95)

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657
PTO-1449 <i>REC'D 28 JAN 2000 USPTO - BOSTON</i>		APPLICANT: KAYYEM	
		FILING DATE: December 27, 1999	GROUP 3736 1634
OTHER DOCUMENTS (including Author, Title, Date, Patent/Print Page, Etc.)			
<input checked="" type="checkbox"/>	104	Hashimoto, et al., "Sequence-Specific Gene Detection with a Gold Electrode Modified with DNA Probes and an Electrochemically Active Dye," <i>Anal. Chem.</i> , 66:3830-3833 (1994).	
<input checked="" type="checkbox"/>	105	Hegner, et al., "Immobilizing DNA on gold via thiol modification for atomic force microscopy imaging in buffer solutions," <i>FEBS</i> 336(3):452-456 (1993).	
<input checked="" type="checkbox"/>	106	Heller, A., et al., "Amperometric biosensors based on three-dimensional hydrogel-forming epoxy networks," <i>Sensors and Actuators</i> , 13-14:180-183 (1993).	
<input checked="" type="checkbox"/>	107	Heller, A., "Electrical Wiring of Redox Enzymes," <i>Acc. Chem. Res.</i> , 23:126-134 (1990).	
<input checked="" type="checkbox"/>	108	Heller et al., "Fluorescent Energy Transfer Oligonucleotide Probes," <i>Fed. Proc.</i> 46(6):1968 (1987) Abstract No. 248.	
<input checked="" type="checkbox"/>	109	Ho "DNA-Mediated Electron Transfer and Application to 'Biochip' Development," <i>Abstract. Office of Naval Research</i> (Report Date: July 25, 1991) 1-4, RR04106.	
<input checked="" type="checkbox"/>	110	Hobbs et al., "Polynucleotides Containing 2'-Amino-2'-deoxyribose and 2'-Azido-2'-deoxyribose," <i>Biochemistry</i> , 12(25):5138-5145 (1973).	
<input checked="" type="checkbox"/>	111	Hsung, et al., "Synthesis and Characterization of Unsymmetric Ferrocene-Terminated Phenylethynyl Oligomers," <i>Organometallics</i> , 14:4808-4815 (1995).	
<input checked="" type="checkbox"/>	112	Hsung, et al., "Thiophenol Protecting Groups for the Palladium-Catalyzed Heck Reaction: Efficient Syntheses of Conjugated Arylthiols," <i>Tetrahedron Letters</i> , 36(26):4525-4528 (1995).	
<input checked="" type="checkbox"/>	113	Jenkins et al., "A Sequence-Specific Molecular Light Switch: Tebhering of an Oligonucleotide to a Dipyridophenazine Complex of Ruthenium (II)," <i>J. Am. Chem. Soc.</i> , 114:8736-8738 (1992).	
<input checked="" type="checkbox"/>	114	Kratzky, et al., "Pyridylethylation - A New Protection Method for Active Hydrogen Compounds," <i>Tetrahedron Letters</i> , 25(12):1223-1226 (1984).	
<input checked="" type="checkbox"/>	115	Kelley, S.O. and J.K. Barton, "Electrochemistry of Methylene Blue Bound to a DNA-Modified Electrode," <i>Bioconjugate Chem.</i> , 8:31-37 (1997).	
<input checked="" type="checkbox"/>	116	Kojima et al., "A DNA Probe of Ruthenium Bipyridine Complex Using Photocatalytic Activity," <i>Chemistry Letters</i> , pp 1889-1982 (1989).	
<input checked="" type="checkbox"/>	117	Laviron, E., "A.C. Polarography and Faradaic Impedance of Strongly Adsorbed Electroactive Species. Part I: Theoretical and Experimental Study of a Quasi-Reversible Reaction in the Case of a Langmuir Isotherm," <i>J. Electroanal. Chem.</i> , 97:135-149 (1979).	
<input checked="" type="checkbox"/>	118	Laviron, E., "A.C. Polarography and Faradaic Impedance of Strongly Adsorbed Electroactive Species. Part III: Theoretical Complex Plane Analysis for a Surface Redox Reaction," <i>J. Electroanal. Chem.</i> , 105:35-42 (1979).	
<input checked="" type="checkbox"/>	119	Lee, et al., "Direct Measurement of the Forces Between Complementary Strands of DNA," <i>Science</i> , 266:771-773 (1994).	
<input checked="" type="checkbox"/>	120	Lenhard, J.R., et al., "Part VII Covalent Bonding of a Reversible- Electrode Reactant to Pt Electrodes Using an organosilane Reagent" <i>J. Electroanal. Chem.</i> , 78:195-201 (1977).	
<input checked="" type="checkbox"/>	121	Lipkin "Identifying DNA by the Speed of Electrons," <i>Science News</i> , 147(8):117 (1995).	
EXAMINER <i>Julian</i>		DATE CONSIDERED <i>1/16/00</i>	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

8085 1449A.FRM (8/95)

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657
PTO-1449 DEC 28 2000 SEARCHED INDEXED SERIAL NUMBER SEARCHED INDEXED SERIAL NUMBER		APPLICANT: KAYYEM	FILING DATE: December 27, 1999 GROUP 2736 1634

OTHER DOCUMENTS (including Author, Title, Date, Page(s), Etc.)

<input checked="" type="checkbox"/>	122	Maskos, et al., "Oligonucleotide hybridisations on glass supports: a novel linker for oligonucleotide synthesis and hybridisation properties of oligonucleotides synthesised <i>in situ</i> ," <i>Nucleic Acids Research</i> , 20(7):1679-1684 (1992).
<input checked="" type="checkbox"/>	123	Mazzocchi, Ph.H. and G. Fritz, "Photolysis of N-(2-Methyl-1-Propenyl)phthalimide in Methanol. Evidence Supporting Radical-Radical Coupling of a Photochemically Generated Radical Ion Pair," <i>Journal of the American Chemical Society</i> , 108(18):5361-5362 (1986).
<input checked="" type="checkbox"/>	124	McGee, et al., "2'-Amino-2'-deoxyuridine via an Intramolecular Cyclization of a Trichloroacetimidate," <i>J. Org. Chem.</i> , 61:781-785 (1996).
<input checked="" type="checkbox"/>	125	Meade, T. J., et al., "Driving-Force Effects on the Rate of Long-Range Electron Transfer in Ruthenium-Modified Cytochrome c," <i>J. Am. Chem. Soc.</i> , 111:4353-4356 (1989).
<input checked="" type="checkbox"/>	126	Meade, T. J., et al., "Electron Transfer through DNA: Site-Specific Modification of Duplex DNA with Ruthenium Donors and Acceptors," <i>Angew. Chem. Int. Ed. Engl.</i> , 34:352 (1995).
<input checked="" type="checkbox"/>	127	Mestel, "Electron Highway Points to Identity of DNA," <i>New Scientist</i> , p. 21 (1995).
<input checked="" type="checkbox"/>	128	Millan, et al., "Voltammetric DNA Biosensor for Cystic Fibrosis Based on a Modified Carbon Paste Electrode," <i>Anal. Chem.</i> , 66:2943-2948 (1994).
<input checked="" type="checkbox"/>	129	Millan, K.M., et al., "Covalent Immobilization of DNA onto Glassy Carbon Electrodes," <i>Electroanalysis</i> , 4(10):929-932 (1992).
<input checked="" type="checkbox"/>	130	Millan, K.M. and Mikkelsen, S.R., "Sequence-Selective Biosensor for DNA Based on Electroactive Hybridization Indicators," <i>Anal. Chem.</i> , 65:2317-2323 (1993).
<input checked="" type="checkbox"/>	131	Miller, C., "Absorbed α -Hydroxy Thiol Monolayers on Gold Electrodes: Evidence for Electron Tunneling to Redox Species in Solution," <i>J. Phys. Chem.</i> , 95:877-886 (1991).
<input checked="" type="checkbox"/>	132	Murphy, C. J., et al., "Long-Range Photoinduced Electron Transfer Through a DNA Helix," <i>Science</i> , 262:1025-1029 (1993).
<input checked="" type="checkbox"/>	133	Orellana, G., et al., "Photoinduced Electron Transfer Quenching of Excited Ru(II) Polypyridyls Bound to DNA: The Role of the Nucleic Acid Double Helix," <i>Photochemistry and Photobiology</i> , 54(4):499-509 (1991).
<input checked="" type="checkbox"/>	134	Palecek, "From Polarography of DNA to Microanalysis with Nucleic Acid-Modified Electrodes," <i>Electroanalysis</i> , 8(1):7-14 (1996).
<input checked="" type="checkbox"/>	135	Paterson, "Electric Genes: Current Flow in DNA Could Lead to Faster Genetic Testing," <i>Scientific American</i> , 33-34 (May 1995).
<input checked="" type="checkbox"/>	136	Purugganan, M. D., et al., "Accelerated Electron Transfer Between Metal Complexes Mediated by DNA," <i>Science</i> , 241:1645-1649 (1988).
<input checked="" type="checkbox"/>	137	Rhodes, D. and A. Klug, "Helical Periodicity of DNA Determined by Enzyme Digestion," <i>Nature</i> , 286:573-578 (1980).
<input checked="" type="checkbox"/>	138	Risser, S. M., et al., "Electron Transfer in DNA: Predictions of Exponential Growth and Decay of Coupling with Donor-Acceptor Distance," <i>J. Am. Chem. Soc.</i> , 115(6):2508-2510 (1993).
<input checked="" type="checkbox"/>	139	Sato, Y., et al., "Unidirectional Electron Transfer at Self-Assembled Monolayers of 11-Ferrocenyl-1-undecanethiol on Gold," <i>Bull. Chem. Soc. Jpn.</i> , 86(4):1032-1037 (1993).

EXAMINER

John C.

DATE CONSIDERED

2/11/2003

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
5085 1449A.RM (8/95)

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657
PTO-1449		APPLICANT: KAYYEM	FILING DATE: December 27, 1999
		DEC 26 2000 SEARCHED SERIALIZED INDEXED FILED GROUP 3736 1634	
OTHER DOCUMENTS (including Author, Title, Date, Page(s), etc.)			
✓	140	Satyanarayana, S., et al., "Neither Δ - nor Λ -Tris(phenanthroline)ruthenium(II) Binds to DNA by Classical Intercalation," <i>Biochemistry</i> , 31(39):9319-9324 (1992).	
✗	141	Schreiber, et al., "Bis(purine) Complexes of <i>trans</i> - π Pt ⁴⁺ : Preparation and X-ray Structures of Bis(9-methyladenine) and Mixed 9-Methyladenine, 9-Methylguanine Complexes and Chemistry Relevant to Metal-Modified Nucleobase Triples and Quartets," <i>J. Am. Chem. Soc.</i> , 118:4124-4132 (1996).	
✗	142	Schuhmann, W., et al., "Electron Transfer between Glucose Oxidase and Electrodes via Redox Mediators Bound with Flexible Chains to the Enzyme Surface," <i>J. Am. Chem. Soc.</i> , 113:1394-1397 (1991).	
✗	143	Schumm, et al., "Iterative Divergent/Convergent Approach to Linear Conjugated Oligomers by Successive Doubling of the Molecular Length: A Rapid Route to a 128 Å-Long Potential Molecular Wire," <i>Angew. Chem. Int. Ed. Engl.</i> , 33(11):1360-1363 (1994).	
✗	144	Sigal et al., "A Self-Assembled Monolayer for the Binding and Study of Histidine-Tagged Proteins by Surface Plasmon Resonance," <i>Anal. Chem.</i> , 68(3):490-497 (1996).	
✗	145	Southern, et al., "Arrays of complementary oligonucleotides for analysing the hybridisation behaviour of nucleic acids," <i>Nucleic Acids Research</i> , 22(8):1368-1373 (1994).	
✗	146	Strobel, S. A., et al., "Site-Specific Cleavage of a Yeast Chromosome by Oligonucleotide-Directed Triple-Helix Formation," <i>Science</i> , 249:73-75 (1990).	
✓	147	Su, et al., "Interfacial Nucleic Acid Hybridization Studied by Random Primer ³² P Labelling and Liquid-Phase Acoustic Network Analysis," <i>Analytical Chemistry</i> , 66(6):768-777 (1994).	
✗	148	Telser, J., et al., "DNA Duplexes Covalently Labeled at Two Sites: Synthesis and Characterization by Steady-State and Time-Resolved Optical Spectroscopies," <i>J. Am. Chem. Soc.</i> , 111:7226-7232 (1989).	
✗	149	Telser, J., et al., "DNA Oligomers and Duplexes Containing a Covalently Attached Derivative of Tris(2,2'-bipyridine)ruthenium(II): Synthesis and Characterization by Thermodynamic and Optical Spectroscopic Measurements," <i>J. Am. Chem. Soc.</i> , 111:7221-7226 (1989).	
✗	150	Tour, "Conjugated Macromolecules of Precise Length and Constitution. Organic Synthesis for the Construction of Nanarchitectures," <i>Chem. Rev.</i> , 96:537-553 (1996).	
✓	151	Tour, et al., "Self-Assembled Monolayers and Multilayers of Conjugated Thiols, α -Dithiols, and Thioacetyl-Containing Adsorbates. Understanding Attachments between Potential Molecular Wires and Gold Surfaces," <i>J. Am. Chem. Soc.</i> , 117:9529-9534 (1995).	
✓	152	Tullius, T.D. and B.A. Dombroski, "Iron(II) EDTA Used to Measure the Helical Twist Along Any DNA Molecule," <i>Science</i> , 230:679-681 (1985).	
✓	153	Turro, N., et al. "Photoelectron Transfer Between Molecules Adsorbed in Restricted Spaces," <i>Photochem. Convers. Storage Sol. Energy, Proc. Int. Conf.</i> , 8th, pp 121-139 (1990).	
✗	154	Turro, N. J., et al., "Molecular Recognition and Chemistry in Restricted Reaction Spaces. Photophysics and Photoinduced Electron Transfer on the Surfaces of Micelles, Dendrimers, and DNA," <i>Acc. Chem. Res.</i> , 24:332-340 (1991).	
✓	155	Uosaki, K., et al., "A Self-Assembled Monolayer of Ferrocenylalkane Thiols on Gold as an Electron Mediator for the Reduction of Fe(III)-EDTA in Solution," <i>Electrochimica Acta</i> , 36(11/12):1799-1801 (1991).	
✓✗	156	Van Ness, J., et al., "A Versatile Solid Support System for Oligodeoxynucleotide Probe-Based Hybridization Assays," <i>Nucleic Acids Research</i> , 19(12):3345-3349 (1991).	
EXAMINER <i>huleau</i>		DATE CONSIDERED <i>7/17/2003</i>	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
8085 1449A.FRM (8/95)

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657
PTO-1449		DEC 26 2000 RECEIVED U.S. PATENT AND TRADEMARK OFFICE	APPLICANT: KAYYEM
		FILING DATE: December 27, 1999	GROUP 3736- 1834
OTHER DOCUMENTS (including Article, Title, Date, Patent, Patent, Patent, Etc.)			
157	Weber, et al., "Voltammetry of Redox-Active Groups Irreversibly Adsorbed onto Electrodes. Treatment Using the Marcus Relation between Rate and Overpotential," <i>Anal. Chem.</i> , 66:3164-3172 (1994).		
158	Williams, et al., "Studies of oligonucleotide interactions by hybridisation to arrays: the influence of dangling ends on duplex yield," <i>Nucleic Acids Research</i> , 22(8):1365-1367 (1994).		
159	Winkler, J. R., et al., "Electron Transfer in Ruthenium-Modified Proteins," <i>Chem. Rev.</i> , 92:369-379 (1992).		
160	Xu, et al., "Immobilization of DNA on an Aluminum(III) alkaneobisphosphonate Thin Film with Electrogenerated Chemiluminescent Detection," <i>J. Am. Chem. Soc.</i> , 116:8386-8387 (1994).		
161	Xu, et al., "Immobilization and Hybridization of DNA on an Aluminum(III) Alkaneobisphosphonate Thin Film with Electrogenerated Chemiluminescent Detection," <i>J. Am. Chem. Soc.</i> , 117:2627-2631 (1995).		
162	Yang, et al., "Growth and Characterization of Metal(II) Alkaneobisphosphonate Multilayer Thin Films on Gold Surfaces," <i>J. Am. Chem. Soc.</i> , 115:11855-11862 (1993).		
163	Zhou, et al., "Fluorescent Chemosensors Based on Energy Migration in Conjugated Polymers: The Molecular Wire Approach to Increased Sensitivity," <i>J. Am. Chem. Soc.</i> , 117:12593-12602 (1995).		
164	Mucic et al., "Synthesis and Characterization of DNA with Ferrocenyl Groups Attached to their 5'-Termini: Electrochemical Characterization of a Redox-Active Nucleotide Monolayer," <i>Chem. Commun.</i> , pp. 555-557 (1998).		
165	Carr et al., "Novel Electrochemical Sensors for Neutral Molecules," <i>Chem. Commun.</i> , 1649-1650 (1997).		
166	Carter et al., "Voltammetric Studies of the Interaction of Metal Chelates with DNA. 2. Tris-Chelated Complexes of Cobalt(III) and Iron(II) with 10-Phenanthroline and 2,2'-Bipyridine," <i>J. Am. Chem. Soc.</i> , 11:8901-8911 (1989).		
167	Johnston et al., "Trans-Dioxorhenium(VI)-Mediated Electrocatalytic Oxidation of DNA at Indium Tin-Oxide Electrodes: Voltammetric Detection of DNA Cleavage in Solution," <i>Inorg. Chem.</i> , 33:6388-6390 (1994).		
168	Korri-Yousoufi et al., "Toward Bioelectronics: Specific DNA Recognition Based on an Oligonucleotide-Functionalized Polypyrrole," <i>J. Am. Chem. Soc.</i> , 119(31):7388-7389 (1997).		
169	Aizawa et al., "Integrated Molecular Systems for Biosensors," <i>Sensors and Actuators B</i> , B@9 (Nos 1/3) Part 1:1-5 (March 1995).		
170	Reimers et al., "Toward Efficient Molecular Wires and Switches: the Brooker Ions," <i>Biosystems</i> , 35:107-111 (1995).		
171	Albers et al., "Design of Novel Molecular Wires for Realizing Long-Distance Electron Transfer," <i>Biochemistry and Bioenergetics</i> , 42:25-33 (1997).		
EXAMINER <i>Wheeler</i>		DATE CONSIDERED <i>7/11/2003</i>	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
8065 1449A.PRM (8/95)

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. A-67499-1/RFT/ RMS/RMK	SERIAL NO: 09/472,657
PTO-1449		APPLICANT: KAYYEM	
		FILING DATE: December 27, 1999	GROUP 3736 1634
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Paper, Etc.)			
UV	172	Lincoln et al., "Shorting Circuiting the Molecular Wire," J. Am. Chem. Soc., 119(8)1454-1455 (1997).	
X	173	Velez et al., "In Situ Assembly of Colloidal Particles into Miniaturized Biosensors," The ACS Journal of Surfaces and Colloids, Langmuir, 15(11):3693-3698 (1999).	
X	174	Blonder et al., "Three-dimensional Redox-Active layered Composites of Au-Au, Ag-Ag and Au-Ag Colloids," Chem. Commun. 1393-1394 (1998).	
X	175	Mirkin et al., "A DNA-based Method for Rationally Assembling Nanoparticles into Macroscopic Materials," Nature, 382:607-609 (1996).	
X	176	Eghanian et al., "Selective Colorimetric Detection of Polynucleotides Based on the Distance-Dependent Optical Properties of Gold Nanoparticles," Science, 277:1078-1081 (1997).	
X	177	Storhoff et al., "One-Pot Colorimetric Differentiation of Polynucleotides with Single Base Imperfections Using Gold Nanoparticles Probes," J. Am. Chem. Soc., 120:1959-1964 (1998).	
X	178	Watson et al., "Hybrid Nanoparticles with Block Copolymer Shell Structures," J. Am. Chem. Soc., 121:462-463 (1999).	
X	179	Mucic et al., "DNA-Directed Synthesis of Binary Nanoparticle Network Materials," J. Am. Chem. Soc., 120:12674-12675 (1998).	
X	180	Mitchell et al., "Programmed Assembly of DNA Functionalized Quantum Dots," J. Am. Chem. Soc., 121:8122-8123 (1999).	
✓	181	Kamat et al., J. Phys. chem., 93(4):1405-1409 (1989), Abstract	
X	182	Fotin, A. et al., "Parallel Thermodynamic Analysis of Duplexes on Oligodeoxyribonucleotide Microchips," Nucleic Acids Research, 21(6):1515-1521 (1993).	
X	183	Guschin, D. et al., "Manual Manufacturing of Oligonucleotide, DNA, and Protein Microchips," Analytical Biochemistry, 250:203-211 (1997).	
X	184	Dubiley, S. et al., "Fractionation, phosphorylation and Ligation on Oligonucleotide Microchips to Enhance Sequencing by Hybridization," Nucleic Acids Research, 25(12):2259-2265 (1997).	
X	185	Guschin, D. et al., "Oligonucleotide Microchips as Genosensors for Determinative and Environmental Studies in Microbiology," 63(6):2397-2402 (1997).	
X	186	Drobyshev, A. et al., "Sequence Analysis by Hybridization with Oligonucleotide Microchip: Identification of β -thalassemia Mutations," Gene, 188:45-52 (1997).	
X	187	Proudnikov, D. et al., "Chemical Methods of DNA and RNA Fluorescent Labeling," Nucleic Acids Research, 24(22):4535-4542 (1996).	
↓ X	188	Timofeev, E. et al., "Methidium Intercalator Inserted into Synthetic Oligonucleotides," Tetrahedron Letters, 37(47):8467-8470 (1996).	
EXAMINER		DATE CONSIDERED	
Alein		7/1/2003	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE
CITATION

PTO-1449

DEC 2 8 2010

ATTY. DOCKET NO.
A-67643-2/RFT/
BMS/RMK

SERIAL NO:
09/621 275

APPLICANT:

Blackburn, G.

FILING DATE:

GROUP 1634
NOT YET ASSIGNED

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

✓	188	Livshits, M. et al., "Theoretical Analysis of the Kinetics of DNA Hybridization with Gel-Immobilized Oligonucleotides," <i>Biophysical Journal</i> , 71:2795-2801 (1996).
✗	190	Timofeev, E. et al., "Regionselective Immobilization of Short Oligonucleotides to Acrylic Copolymer Gel," <i>Nucleic Acids Research</i> , 24(16): 3142-3148 (1996).
✗	191	Parinov, S., "DNA Sequencing by Hybridization to Microchip octa- and Decanucleotides Extended by Stacked Pentanucleotides," <i>Nucleic Acids Research</i> , 24(15):2998-3004 (1996).
✗	200	Vershov, G. et al., "DNA Analysis and Diagnostics on Oligonucleotide Microchips," <i>Proc. Natl. Acad. Sci. USA</i> , 93:4913-4918 (1996).
✗	201	Mirzabekov, A. et al., "DNA Sequencing by Hybridization - a Megasequencing Method and a Diagnostic Tool," <i>Tibtech</i> , 12:27-32 (1994).
✗	202	Brodin, K. et al., "Conformational changes in E.Coli RNA Polymerase During Promoter Recognition," <i>Nucleic Acids Research</i> , 21(24):5748-5753 (1993).
✓	203	Proudnikov, D. "Immobilization of DNA in Polyacrylamide Gel for the manufacture of DNA and DNA-Oligonucleotide Microchips," <i>Analytical Biochemistry</i> , 259:34-41 (1998).
✓	204	Esipova, N.G. et al., "Investigation of Sites of Strong DNA-protein Interactions In DNA-binding Proteins by Theoretical and DNA-protein Cross-Linking Methods," <i>Journal of Bimolecular Structure & Dynamics</i> , 12(6):A049 (1995).

EXAMINER

when

DATE CONSIDERED

7/11/2005

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1032208

Please type a plus sign (+) inside this box →

PTO/SB/6A (08-00)
Approved for use through 10/31/2002. GMB 0651-0031U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

1

of

3

Complete if Known

Application Number 09427,657

Filing Date December 27, 1999

First Named Inventor Kayyem

Group Art Unit 3280 1634

Examiner Name Not Yet Assigned

Attorney Docket Number A-67499-1/RFT/RMS/RMK

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
W	1	4,704,193	Bowers et al.	11/1987	_____
	2	4,707,352	Stavrianopoulos	11/1987	_____
	3	4,787,963	MacConnell	11/1988	_____
	4	4,945,045	Forrest et al.	07/1990	_____
	5	5,089,112	Skotheim et al.	02/1992	_____
	6	5,180,968	Bruckenstein et al.	01/1993	_____
	7	5,242,828	Bergstrom et al.	09/1993	_____
	8	5,356,786	Heller et al.	10/1994	11
	9	5,391,272	O'Daly et al.	02/1995	23
	10	5,436,161	Bergstrom et al.	07/1995	23 24
	11	5,443,701	Willner et al.	08/1995	25 26
	12	5,571,568	Ribi et al.	06/1989	27 28
	13	5,632,957	Heller et al.	05/1997	29 30
	14	5,700,667	Marble et al.	12/1997	31
	15	5,795,453	Gilmartin	08/1998	32
	16	5,837,859	Teoule et al.	11/1998	33
	17	5,849,486	Heller et al.	12/1998	34
	18	6,060,023	Maracas	05/2000	35
	19	6,060,327	Keen	05/2000	36

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Office ² Number ³	Kind Code ⁴ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
W	20	WO 85/05815		Genetics International, Inc.	03/1985	_____
	21	WO 97/1256	A3	Cornell Research Found.	08/1997	_____
	22	WO 97/41425	A1	Pence Inc.	11/1997	_____
	23	WO 98/27229		University of Chicago	06/1998	_____
	24	WO 98/51823	A1	Mosaic Technologies	11/1998	_____

Examiner Signature	Forrester	Date Considered	7/10/2003
--------------------	-----------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with the application.

¹Unique citation designation number. ² See attached kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Application for which a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO-96B/SA (08-00)
Approved for use through 10/31/2002. GMB 062-1-003
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)



Sheet

of

3

Complete if Known

Application Number	09/427,657
Filing Date	December 27, 1999
First Named Inventor	Kayyem
Group Art Unit	2296 1634
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-67499-1/RFT/RMS/RMK

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
✓	25	6,071,699	Meade et al.	06/2000	_____
	26	6,087,100	Meade et al.	07/2000	_____
	27	6,096,273	Kayyem et al.	08/2000	_____
	28	6,096,825	Garnier et al.	08/2000	_____
	29	6,107,080	Lennox	08/2000	_____
	30	6,177,250	Meade et al.	01/2001	_____
	31	6,180,352	Meade et al.	01/2001	1
	32	6,200,761	Meade et al.	03/2001	1,2
	33	6,203,758	Marks et al.	03/01	1,2
↓	34	6,207,369	Wohlstatter et al.	03/2001	1,2
	35	6,238,870	Meade et al.	05/2001	1,2

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴ Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
✓	36	WO 98/57319	A1 Clinical Micro Sensors, Inc.	11/1999	_____	
↓	37	WO 99/29711	A1 Nanogen Inc.	06/1999	_____	
↓	38	WO 99/37819	Clinical Micro Sensors	07/1999	_____	

Examiner
Signature

File in

Date
Considered

11/11/2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Make a copy of this form with an explanation to applicant.

¹ Unique citation designation. ² Kind of Patent Document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

Burden of the Statement: This form is estimated to take 2.0 hours to complete. This will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Office of Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

1076367

Please type a plus sign (+) inside this box →

MAR 19 2002

PTO/SB/8B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Section of Information unless it contains a valid OMB control number.

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

87

106

of 3 Attorney Docket Number A-62498-1/RET/RMS/RMK

Complete if Known

Application Number	09/427,657
Filing Date	December 27, 1999
First Named Inventor	Kayyem
Group Art Unit	1730 1634
Examiner Name	Not Yet Assigned
Attorney DocID Number	A-67490-1/DET/OMS/RJMK

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and note considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

1076367